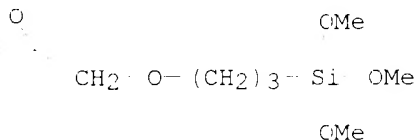


L Number	Hits	Search Text	DB	Time stamp
1	2	4719262.pn.	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:28
2	2	4961967.pn.	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:31
3	2	4933327.pn.	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:33
4	2	6004755.pn.	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:35
5	82246	microarray same discrete spots	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:35
6	82214	microarray near5 discrete spots	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:36
7	82204	microarray adj2 discrete spots	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:36
8	1674	microarray	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:36
9	463	microarray and discrete	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:37

L6 ANSWER 102 OF 146 CAPLUS COPYRIGHT 2002 ACS  
 AN 1991:243894 CAPLUS  
 DN 114:243894  
 TI Substrate preparation for chemical-species-specific **binding** and  
 biosensors  
 IN Tom-Moy, May; Meyerholtz, Carl Alan  
 PA Hewlett-Packard Co., USA  
 SO Eur. Pat. Appl., 10 pp.  
 CODEN: EPXXLW  
 DT Patent  
 LA English  
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI	EP 416730	A2	19910313	EP 1990-307981	19900720
	EP 416730	A3	19920701		
	EP 416730	B1	19960522		
	R: DE, FR, GB				
	JP 03100438	A2	19910425	JP 1990-238823	19900907
FRAI	US 1939-404721	A	19890908		
IT	<b>2530-83-8</b> , 3-Glycidoxypropyltrimethoxysilane				
	RL: RCT (Reactant)				
	(reaction of, with silica in coupling avidin and <b>binding</b> biotinylated antibody)				
RN	2530-83-8 CAPLUS				
CN	Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)				



L5 ANSWER 106 OF 146 CAPLUS COPYRIGHT 2002 ACS  
 AN 1990:552379 CAPLUS  
 DN 113:151972  
 TI Support-bound oligonucleotides  
 IN Southern, Edwin M.; Maskos, Uwe  
 PA Isis Innovation Ltd., UK  
 SO PCT Int. Appl., 24 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

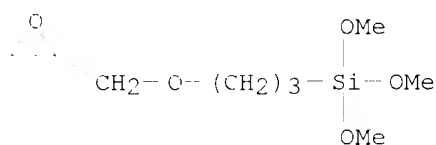
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI	WO 9003383	A1	19900405	WO 1989-GB1114	19890921
	W: JP, US				
	FW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	EP 386229	A1	19900912	EP 1989-910878	19890921
	EP 386229	B1	19940323		
	F: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04500671	T2	19920206	JP 1989-510012	19890921
	JP 3129723	B2	20010131		
	AT 103290	E	19940415	AT 1989-910878	19890921
	US 5436327	A	19950725	US 1991-669412	19910320
PRAI	GB 1988-22228	A	19880921		
	EP 1989-910878	A	19890921		
	WO 1989-GB1114	W	19890921		

IT 2530-83-8

RL: RCT (Reactant)  
 (reaction of, with ballotini glass beads)

RI 2530-83-8 CAPLUS

CN Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 56 OF 146 CAPLUS COPYRIGHT 2002 ACS  
AN 1993:806760 CAPLUS  
DN 130:48238

TI **Attachment** of unmodified **nucleic** acids to silanized  
solid phase for **nucleic** acid assay

IN Shi, Jufang; Boyce-Jacino, Michael T.

PA Molecular Tool, Inc., USA

SO PCT Int. Appl., 39 pp.

CODEN: PINKD2

DT Patent

LA English

FAN.CNT 1

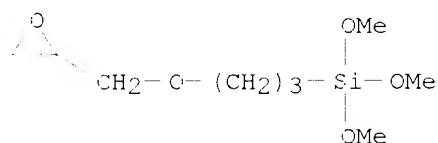
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9855593	A1	19981210	WO 1998-US11662	19980605
	W:	AL, AM, AT, AU, AE, BA, BE, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AE, BY, BG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SE, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BE, BJ, CF, CG, CI, CM, GA, GN, ML, ME, NE, SN, TD, TG			
	US 5819626	A	19990706	US 1997-870010	19970606
	AU 9877260	A1	19981011	AU 1998-77260	19980605
	AU 739411	B2	20011011		
	EP 996709	A1	20000503	EP 1998-925267	19980605
	R:	CH, DE, FR, GB, LI			
	JP 2002506347	T2	200210126	JP 1999-502940	19980605
	US 6136961	A	20001024	US 1998-102371	19980623
	US 6387626	B1	20000514	US 1998-638436	20000514
FRAI	US 1997-870010	A	19970606		
	WO 1998-US11662	W	19980605		
	US 1998-102371	A1	19980623		
AB	Described is a simple, most effective method for immobilizing synthetic, unmodified <b>nucleic</b> acid mols. onto a silane-coated solid support via covalent <b>linkage</b> . The highly hydrophobic silanized surface that allows <b>oligonucleotide</b> probe droplets to form at specific and localized positions on the solid surface, which is suitable for automated and scaled-up process for <b>DNA</b> array prepn. Also claimed are methods for (1) prepn. of the surface by coating with a mercapto-alkyl-trimethoxysilane or glycidoxy-alkyl-silane and curing of the coating in a dry inert gas such as Ar or N <sub>2</sub> at 60-70.degree. for 10-14 h; and (2) coupling of unmodified <b>nucleic</b> acids via ether or thioether <b>linkage</b> in an alk. soln. The invention further concerns the use of such immobilized mols. in <b>nucleic</b> acid hybridization assays, sequencing by hybridization assays, and genetic analyses and combinatorial analyses involving <b>nucleic</b> acids or <b>proteins</b> for screening applications.				
IT	2530-83-8, 3-Glycidoxypropyltrimethoxysilane RL: DEV (Device component use); USES (Uses) ( <b>attachment</b> of unmodified <b>nucleic</b> acids to silanized solid phase for <b>nucleic</b> acid assay)				
FN	2530-83-8 CAPLUS				
CN	Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)				

=> d 89, 93 bib

L6 ANSWER 89 OF 146 CAPLUS COPYRIGHT 2002 ACS  
AN 1995:4229 CAPLUS  
DN 122:265965  
TI Synthesis of sulfated and phosphorylated glycopeptides from the  
carbohydrate-**protein linkage** region of proteoglycans  
AU Fio, Sandrine; Beau, Jean Marie; Jacquinet, Jean Claude  
CS Fac. Sci., Univ. Orleans, Orleans, F-45067, Fr.  
SO Carbohydr. Res. (1994), 255 103-24  
CODEN: CRBRAT; ISSN: 0008-6215  
DT Journal  
LA English

L6 ANSWER 93 OF 146 CAPLUS COPYRIGHT 2002 ACS  
AN 1994:107686 CAPLUS  
DN 120:107686  
TI Total synthesis of the carbohydrate-**protein linkage**  
region common to several mammalian proteoglycans  
AU Fio, Sandrine; Beau, Jean Marie; Jacquinet, Jean Claude  
CS Fac. Sci., Univ. Orleans, Orleans, F-45067, Fr.  
SO Carbohydr. Res. (1993), 244(2), 295-313  
CODEN: CRBRAT; ISSN: 0008-6215  
DT Journal  
LA English  
OS CASREACT 120:107686

L5 ANSWER 98 OF 146 CAPLUS COPYRIGHT 2002 ACS  
 AN 1992:401921 CAPLUS  
 DN 117:1921  
 TI **Oligonucleotide** hybridizations on glass supports: a novel  
 linker for **oligonucleotide** synthesis and hybridization  
 properties of **oligonucleotides** synthesized in situ  
 AU Maskos, Uwe; Southern, Edwin M.  
 CS Dep. Biochem., Univ. Oxford, Oxford, OX1 3QU, UK  
 SO Nucleic Acids Res. (1992), 20(7), 1679-84  
 CODEN: NARHAD; ISSN: 0305-1048  
 DT Journal  
 LA English  
 IT **2530-83-8**  
 EL: USES (Uses)  
 (glass support immobilization of, reaction with diols after, for  
 synthesis of solid support-bound linker for  
**oligonucleotide** synthesis)  
 RN 2530-83-8 CAPLUS  
 CN Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)



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